

FIGURE 1

Query: 1 MFSPDQENH--PFKAPVKYGELIVLGYNGSLPNGDRGRRKSRFALFKRPKANGVKPSTVH 58  
 MFSP QE H P K PVKYGEL+VLGYNG+LPNGDRGRRKSRFAL+KRPKANGVKPSTVH  
 Sbjct: 1 MFSPGQEEHCAPNKEPVKYGELVVLGYNGALPNGDRGRRKSRFALYKRPKANGVKPSTVH 60

Query: 59 IACTPQAAKAISNKDQHSISYTLSTRAQTVVVEYTHDSNTDMFQIGRSTESPIDFVVTDTV 118  
 + TPQA+KAIS K QHSISYTLSTRTVVVEYTHD +TDMFQ+GRSTESPIDFVVTD+  
 Sbjct: 61 VISTPQASKAISCKGQHSISYTLSTRTVVVEYTHDKDTDMFQVGRSTESPIDFVVTDI 120

Query: 119 PGSQNSDTQSVQSTISRACRIICERNPPFTARIYAAGFDSSKNIFLGEKAAKWKTSBG 178  
 GSQ+ + Q QSTISRACRI+C+RN P+TARI+AAGFDSSKNIFLGEKAAKWK DG  
 Sbjct: 121 SGSQNTDEAQITQSTISRACRIVCDRNEPYTARIFAAGFDSSKNIFLGEKAAKWKPNPDG 180

Query: 179 QMDGLTTNGVLVMHPRNGFTEDSKPGIWREISVCGNVFSLRETRSAQQRGKMVEIETNQL 238  
 MDGLTTNGVLVMHPR GFTE+S+PG+WREISVCG+V++LRETRSAQQRGK+VE ETN L  
 Sbjct: 181 HMDGLTTNGVLVMHPRGGFTESQPGVWREISVCGDVYTLRETRSAQQRGKLVESETNVL 240

Query: 239 QDGLSLIDLCGATLLWRTAEGLSHTPTVKHLEALRQEINAARPQCPVGFNTLAFPSMKRKD 298  
 QDGLSLIDLCGATLLWRTA+GL HTPT KH+EALRQEINAARPQCPVG NTLAFPS+ RK+  
 Sbjct: 241 QDGLSLIDLCGATLLWRTADGLFHTPTQKHIEALRQEINAARPQCPVGLNTLAFPSINRKE 300

Query: 299 VVDEKQPWVYLNCGHVHGYHNWGNKEERDGDRECPMCRSVGPYVPLWLGCEAGFYVDAG 358  
 VV+EKQPW YL+CGHVHGYHNWG++ + + +RECPMCR+VGPYVPLWLGCEAGFYVDAG  
 Sbjct: 301 VVEEKQPWAYLSCGHVHGYHNWGHRSDEANERECPMCRVGPYVPLWLGCEAGFYVDAG 360

Query: 359 PPTHAFSPCGHVCSEKTTAYWSQIPLPHGTHTFHAACPFCALAGEQGYIRLIFQGPLD 418  
 PPTHAF+PCGHVCSEK+ YWSQIPLPHGTHTFHAACPFCALAGEQ I+LIFQGP+D  
 Sbjct: 361 PPTHAFPCGHVCSEKSAKYWSQIPLPHGTHTFHAACPFCATQLVGEQNCIKLIFQGPID 420

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Figure 2

Tumor cell line	Tumor classification	relative Pellino-2 mRNA
H460	large cell	10673
SKLC-13	Small cell	149
LOU-NH91	squamous	0.17
H727	carcinoid	10748
colo699	adeno	1615
EPLC-272H	squamous	8.2
BEN	Carcinoma	4652
LCLC-103H	Large cell carcinoma	12
NCI-H510A	small cell carcinoma	3074
DMS114	unknown	85

FIGURE 3

		Pellino-2 gene copy number	Amp. Frequency
H82	Lung cell line	8.9	9/43 > 2.5X 21%
SKLC-17	Lung cell line	3.4	
SKLU-1	Lung cell line	2.8	
H322	Lung cell line	3.5	
H345	Lung cell line	4	
H460	Lung cell line	3.3	
SHP77	Lung cell line	3.8	
SKLC-13	Lung cell line	3.3	
9812	Lung cell line	3.7	

		Pellino-2 gene copy number	Amp. Frequency
LU-2	lung tumor	2.6	5/43 > 2.5X 12%
LU-23	lung tumor	2.7	
LU-29	lung tumor	2.5	
LU-49	lung tumor	3.5	
LU-52	lung tumor	3.1	

		Pellino-2 gene copy number	Amp. Frequency
CACO (CC1)	COLON CELL LINE	2.7	7/24 > 2.5X 29%
COLO265 (CC2)	COLON CELL LINE	2.7	
SW48 (CC10)	COLON CELL LINE	5.5	
COLO300 (CC17)	COLON CELL LINE	3.1	
colo320 (CC18)	COLON CELL LINE	3.7	
NULH 716 (CC21)	COLON CELL LINE	2.5	
SKCO1 (CC23)	COLON CELL LINE	3.1	

		Pellino-2 gene copy number	Amp. Frequency
CO 1	colon tumor	6.9	4/30 > 2.5X 13%
CO 18	colon tumor	2.9	
CO 19	colon tumor	2.6	
CO 11	colon tumor	3	

		Pellino-2 gene copy number	Amp. Frequency
CHTN273 (OT5)	ovarian tumor	3	5/37 > 2.5X 14%
CHTN279 (OT9)	ovarian tumor	4.2	
CHTN291 (OT18)	ovarian tumor	3.4	
CHTN380(OT30)	ovarian tumor	2.9	
CHTN652(OT38)	ovarian tumor	2.6	

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